mon troubles met by welders, together with the cause and cure for each. Some of the troubles mentioned are: distortion, welding stresses, cracked welds, undercut, porous welds, brittle joints and corrosion."

4131. **Wheeler,** E. The sizzle book. N. Y., Prentice-Hall. 209 p. 75c.

Am. bus., Au '38, p. 54, 1/3 col. "Designed for presentation to salesmen and salespeople in retail stores. It outlines the familiar Wheeler idea that it is the sizzle that sells the steak, not the cow. . . . Expounds his ideas in this book, which seem to be that if you have the right slogan or sales-phrase you can sell anything." +

4132. **H. Wiggin & co., ltd.** Monel data book.—1. London, H. Wiggin & Co., Ltd. tab.

Metallurgia, S '38, p. 186, 1/3 col. "Much of the matter previously published on the uses of monel, nickel, and inconel has now been collated and produced in the form of a data book. In this the properties and applications of these 3 metals are described, a useful feature being the inclusion of tables and working instructions." +

4133. **Wilman,** C. W. Automatic telephony. London, Technical Pr. 10s. 6d.

Engl. mechanics, S 23 '38, p. 463, 1/4 col. "Written in an elementary manner, it deals with the principles underlying the subject and for the greater part is based upon lectures given by the writer to students preparing for the Automatic Section of the final examination in Telephony of the City and Guilds of London Institute."

4134. **Wirtschaftsgruppe elektrizitätsversorgung; Wirtschaftsgr. bauindustrie.** Technische richtlinien für den bau von fernheizkanälen. Berlin, F. Weber, 1937. 23 p., 10 il. RM 1.30.

V.D.I.-zeit., Jy 2 '38, p. 816, 1/4 col. S. +

4135. **Wolfenden,** J. H. Numerical problems in advanced physical chemistry. N. Y., Oxford Univ. Pr., 1938. 227 p. $2.75.

Am. chem. soc.—Jl., Au '38, p. 2011, 2/3 col. "Idea behind this unique book is to give the student of advanced physical chemistry a set of problems each of which is taken from some recently published investigation. . . There are 133 problems in the book, covering a wide range of topics. . . Some of the problems are simple enough for use in an elementary physical chemistry course, but probably most of them are more suitable for somewhat more advanced students. They appear to be well chosen and should be of great value to graduate students and advanced under-graduates in physical chemistry." E. B. Wilson, Jr. +

4136. **Yoe,** J. H. A laboratory manual of qualitative analysis. N. Y., Wiley, 1938. 219 p., 7 fig. $2.50.

Am. chem. soc.—Jl., Au '38, p. 2007, 1/4 col. "Laboratory Manual supplies the basis for a large but flexible course of experimental work, with many preliminary tests in addition to the regular schemes. The method of cation analysis is a composite of the well-known Fresenius and Noyes methods, while the anion identification schemes are based on the groups of volatile, barium, silver and soluble radicals. The use of organic reagents and spot tests is encouraged and there is a section on Dry Methods of Analysis." A. D. Bliss.

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4137. **Zimmer,** E. Umsturz im weltbild der physik. Forewd. by M. Planck. Munich, Knorr & Hirth, 1938. 290 p. RM 5.70.

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4133. **Wilman,** C. W. Automatic telephony. London, Technical Pr. 10s. 6d.

Engl. mechanics, S 23 '38, p. 463, 1/4 col. "Written in an elementary manner, it deals with the principles underlying the subject and for the greater part is based upon lectures given by the writer to students preparing for the Automatic Section of the final examination in Telephony of the City and Guilds of London Institute."

4134. **Wirtschaftsgruppe elektrizitätsversorgung; Wirtschaftsgr. bauindustrie.** Technische richtlinien für den bau von fernheizkanälen. Berlin, F. Weber, 1937. 23 p., 10 il. RM 1.30.

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